

ABSTRACT OF THE DISCLOSURE

DELAYED-START METHOD FOR MINIMIZING
INTERNAL SWITCH CONGESTION

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A data flow control method and system within a data switch. The data switch includes a plurality of input sections each having an associated input buffer and each transmitting data to an output section. In response to a detection of congestion within the output section, data transmissions from the plurality of input sections to the output section are paused. Input buffer occupancies of each of said input sections are then determined. Thereafter, and in response to a backpressure relief signal, the restart of said data transmission from each of the input sections to the output section is delayed in inverse proportion to each of the determined input buffer occupancies.